



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/648,631

DATE: 10/08/2004
TIME: 15:32:28

Input Set : A:\66671-044.TXT
Output Set: N:\CRF4\10082004\J648631.raw

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4 <110> APPLICANT: Hunter, Tony
5     Kun Ping, Lu
7 <120> TITLE OF INVENTION: NIMA INTERACTING PROTEINS
10 <130> FILE REFERENCE: 66671-044
12 <140> CURRENT APPLICATION NUMBER: US 10/648,631
13 <141> CURRENT FILING DATE: 2003-08-25
15 <150> PRIOR APPLICATION NUMBER: US 10/616,410
16 <151> PRIOR FILING DATE: 2003-07-08
18 <160> NUMBER OF SEQ ID NOS: 22
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1014
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (25) ... (513)
31 <400> SEQUENCE: 1
32 tgctggccag cacctcgagg gaag atg gcg gac gag gag aag ctg ccc ccc      51
      Met Ala Asp Glu Glu Lys Leu Pro Pro
33                               1           5
34
36 ggc tgg gag aag cgc atg agc cgc agc tca ggc cga gtg tac tac ttc      99
37 Gly Trp Glu Lys Arg Met Ser Arg Ser Gly Arg Val Tyr Tyr Phe
38   10          15          20          25
40 aac cac atc act aac gcc agc cag tgg gag cgg ccc agc ggc aac agc      147
41 Asn His Ile Thr Asn Ala Ser Gln Trp Glu Arg Pro Ser Gly Asn Ser
42           30          35          40
44 agc agt ggt ggc aaa aac ggg cag ggg gag cct gcc agg gtc cgc tgc      195
45 Ser Ser Gly Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg Cys
46           45          50          55
48 tcg cac ctg ctg gtg aag cac agc cag tca cgg ccc tcg tcc tgg      243
49 Ser His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp
50           60          65          70
52 cgg cag gag aag atc acc cgg acc aag gag gag gcc ctg gag ctg atc      291
53 Arg Gln Glu Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu Ile
54           75          80          85
56 aac ggc tac atc cag aag atc aag tcg gga gag gag gac ttt gag tct      339
57 Asn Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser
58           90          95          100          105
60 ctg gcc tca cag ttc agc gac tgc agc tca gcc aag gcc agg gga gac      387
61 Leu Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp
62           110          115          120
64 ctg ggt gcc ttc agc aga ggt cag atg cag aag cca ttt gaa gac gcc      435

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65	Leu	Gly	Ala	Phe	Ser	Arg	Gly	Gln	Met	Gln	Lys	Pro	Phe	Glu	Asp	Ala	
66									125		130				135		
68	tgc	ttt	gct	ctg	cgg	acg	ggg	gag	atg	agc	ggg	ccc	gtg	ttc	acg	gat	483
69	Ser	Phe	Ala	Leu	Arg	Thr	Gly	Glu	Met	Ser	Gly	Pro	Val	Phe	Thr	Asp	
70									140		145				150		
72	tcc	ggc	atc	cac	atc	atc	ctc	cgc	act	gag	tgagggtggg	gagcccaggg					533
73	Ser	Gly	Ile	His	Ile	Ile	Leu	Arg	Thr	Glu							
74									155		160						
76	ctggcctcg	ggcagggcag	ggcggctagg	ccggccagct	cccccttgcc	cgccagccag											593
77	tggccgaacc	ccccactccc	tgccaccgtc	acacagtatt	tattgttccc	acaatggctg											653
78	ggagggggcc	cttccagatt	gggggcccctg	gggtccccac	tccctgtcca	tccccagttg											713
79	gggctgcgac	cgccagattc	tcccttaagg	aattgacttc	agcaggggtg	ggaggctccc											773
80	agacccaggg	cagtgtggtg	ggaggggtgt	tccaaagaga	aggcctggtc	agcagagccg											833
81	ccccgtgtcc	ccccaggtgc	tggaggcaga	ctcgagggcc	gaattgttgc	tagttaggcc											893
82	acgctcctct	gttcagtcgc	aaaggtgaac	actcatgcgg	cagccatggg	ccctctgagc											953
83	aactgtgcag	accctttcac	ccccaaattaa	acccagaacc	actaaaaaaaaa	aaaaaaaaaaaa											1013
84	a																1014
86	<210>	SEQ ID NO:	2														
87	<211>	LENGTH:	163														
88	<212>	TYPE:	PRT														
89	<213>	ORGANISM:	Homo sapiens														
91	<400>	SEQUENCE:	2														
92	Met	Ala	Asp	Glu	Glu	Lys	Leu	Pro	Pro	Gly	Trp	Glu	Lys	Arg	Met	Ser	
93	1				5					10				15			
94	Arg	Ser	Ser	Gly	Arg	Val	Tyr	Tyr	Phe	Asn	His	Ile	Thr	Asn	Ala	Ser	
95						20			25			30					
96	Gln	Trp	Glu	Arg	Pro	Ser	Gly	Asn	Ser	Ser	Ser	Gly	Gly	Lys	Asn	Gly	
97						35			40			45					
98	Gln	Gly	Glu	Pro	Ala	Arg	Val	Arg	Cys	Ser	His	Leu	Leu	Val	Lys	His	
99						50			55			60					
100	Ser	Gln	Ser	Arg	Arg	Pro	Ser	Ser	Trp	Arg	Gln	Glu	Lys	Ile	Thr	Arg	
101	65						70				75			80			
102	Thr	Lys	Glu	Glu	Ala	Leu	Glu	Leu	Ile	Asn	Gly	Tyr	Ile	Gln	Lys	Ile	
103						85				90			95				
104	Lys	Ser	Gly	Glu	Glu	Asp	Phe	Glu	Ser	Leu	Ala	Ser	Gln	Phe	Ser	Asp	
105						100			105			110					
106	Cys	Ser	Ser	Ala	Lys	Ala	Arg	Gly	Asp	Leu	Gly	Ala	Phe	Ser	Arg	Gly	
107						115			120			125					
108	Gln	Met	Gln	Lys	Pro	Phe	Glu	Asp	Ala	Ser	Phe	Ala	Leu	Arg	Thr	Gly	
109						130			135			140					
110	Glu	Met	Ser	Gly	Pro	Val	Phe	Thr	Asp	Ser	Gly	Ile	His	Ile	Ile	Leu	
111						145			150			155			160		
112	Arg	Thr	Glu														
115	<210>	SEQ ID NO:	3														
116	<211>	LENGTH:	31														
117	<212>	TYPE:	DNA														
118	<213>	ORGANISM:	Homo sapiens														
120	<400>	SEQUENCE:	3														
121	gcgctgcag	tatctataya	tggaataytg	t													31

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123 <210> SEQ ID NO: 4
124 <211> LENGTH: 31
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 4
129 ggcggatcc rggttcaga ggktyraasa g 31
131 <210> SEQ ID NO: 5
132 <211> LENGTH: 30
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 5
137 ggcgtacca agwccacygt ayattattcc 30
139 <210> SEQ ID NO: 6
140 <211> LENGTH: 13
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: synthetic peptide
147 <400> SEQUENCE: 6
148 Met Tyr Asp Val Pro Asp Tyr Ala Ser Arg Pro Gln Asn
149 1 5 10
152 <210> SEQ ID NO: 7
153 <211> LENGTH: 32
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: synthetic peptide
160 <400> SEQUENCE: 7
161 Met Ala Ser Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Pro Glu Phe
162 1 5 10 15
163 Leu Val Asp Pro Pro Gly Ser Lys Asn Ser Ile Ala Arg Gly Lys Met
164 20 25 30
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 39
169 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 8
173 Glu Lys Leu Pro Pro Gly Trp Glu Lys Arg Met Ser Arg Ser Ser Gly
174 1 5 10 15
175 Arg Val Tyr Tyr Phe Asn His Ile Thr Asn Ala Ser Gln Trp Glu Arg
176 20 25 30
177 Pro Ser Gly Asn Ser Ser Ser
178 35
181 <210> SEQ ID NO: 9
182 <211> LENGTH: 39
183 <212> TYPE: PRT
184 <213> ORGANISM: Yeast ESS1
186 <400> SEQUENCE: 9
187 Thr Gly Leu Pro Thr Pro Trp Thr Val Arg Tyr Ser Lys Ser Lys Lys

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188 1 5 10 15
189 Arg Glu Tyr Phe Phe Asn Pro Glu Thr Lys His Ser Gln Trp Glu Glu
190 20 25 30
191 Pro Glu Gly Thr Asn Lys Asp
192 35
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 38
197 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 10
201 Val Pro Leu Pro Ala Gly Trp Glu Met Ala Lys Thr Ser Ser Gly Gln
202 1 5 10 15
203 Arg Tyr Phe Leu Asn His Ile Asp Gln Thr Thr Thr Trp Gln Asp Pro
204 20 25 30
205 Arg Lys Ala Met Leu Ser
206 35
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 38
211 <212> TYPE: PRT
212 <213> ORGANISM: Mus musculus
214 <400> SEQUENCE: 11
215 Ser Pro Leu Pro Pro Gly Trp Glu Glu Arg Gln Asp Val Leu Gly Arg
216 1 5 10 15
217 Thr Tyr Tyr Val Asn His Glu Ser Arg Arg Thr Gln Trp Lys Arg Pro
218 20 25 30
219 Ser Pro Asp Asp Asp Leu
220 35
223 <210> SEQ ID NO: 12
224 <211> LENGTH: 38
225 <212> TYPE: PRT
226 <213> ORGANISM: Yeast RSPS
228 <400> SEQUENCE: 12
229 Gly Arg Leu Pro Pro Gly Trp Glu Arg Arg Thr Asp Asn Phe Gly Arg
230 1 5 10 15
231 Thr Tyr Tyr Val Asp His Asn Thr Arg Thr Thr Thr Trp Lys Arg Pro
232 20 25 30
233 Thr Leu Asp Gln Thr Glu
234 35
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 38
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapiens
242 <400> SEQUENCE: 13
243 Thr Ser Val Gln Gly Pro Trp Glu Arg Ala Ile Ser Pro Asn Lys Val
244 1 5 10 15
245 Pro Tyr Tyr Ile Asn His Glu Thr Gln Thr Thr Cys Trp Asp His Pro
246 20 25 30
247 Lys Met Thr Glu Leu Tyr
248 35

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251 <210> SEQ ID NO: 14
252 <211> LENGTH: 37
253 <212> TYPE: PRT
254 <213> ORGANISM: Rattus rattus
256 <400> SEQUENCE: 14
257 Ser Asp Leu Pro Ala Gly Trp Met Arg Val Gln Asp Thr Ser Gly Thr
258 1 5 10 15
259 Tyr Tyr Trp His Ile Pro Thr Gly Thr Thr Gln Trp Glu Pro Pro Gly
260 20 25 30
261 Arg Ala Ser Pro Ser
262 35
265 <210> SEQ ID NO: 15
266 <211> LENGTH: 14
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: consensus sequence
273 <400> SEQUENCE: 15
274 Leu Pro Gly Trp Glu Gly Tyr Tyr Asn His Thr Thr Trp Pro
275 1 5 10
278 <210> SEQ ID NO: 16
279 <211> LENGTH: 105
280 <212> TYPE: PRT
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 16
284 His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg
285 1 5 10 15
286 Gln Glu Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu Ile Asn
287 20 25 30
288 Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu
289 35 40 45
290 Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu
291 50 55 60
292 Gly Ala Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp Ala Ser
293 65 70 75 80
294 Phe Ala Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr Asp Ser
295 85 90 95
296 Gly Ile His Ile Ile Leu Arg Thr Glu
297 100 105
300 <210> SEQ ID NO: 17
301 <211> LENGTH: 107
302 <212> TYPE: PRT
303 <213> ORGANISM: Yeast ESS1
305 <400> SEQUENCE: 17
306 His Ile Leu Ile Lys His Lys Asp Ser Arg Arg Pro Ala Ser His Arg
307 1 5 10 15
308 Ser Glu Asn Ile Thr Ile Ser Lys Gln Asp Ala Thr Asp Glu Leu Lys
309 20 25 30
310 Thr Leu Ile Thr Arg Leu Asp Asp Ser Lys Thr Asn Ser Phe Glu

VERIFICATION SUMMARY

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Input Set : A:\66671-044.TXT

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